SWIM AND AIM DATABASES IMPLEMENTATION

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Overview

- **The Problem identification**
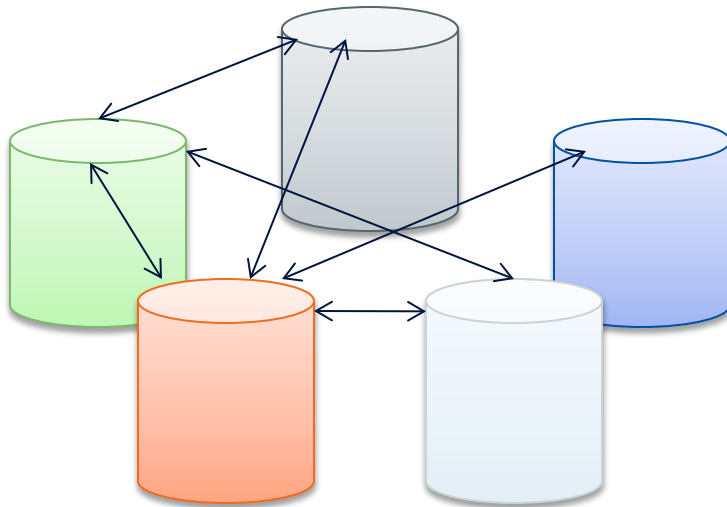
- **The possible Solution**

- **The Topology analysis**

- **The main Concept**

- **Some Initiatives**
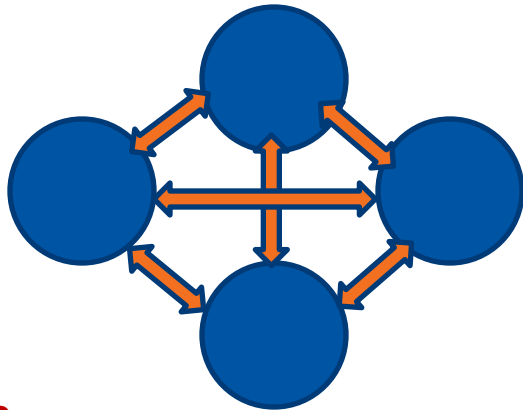
The problem identification

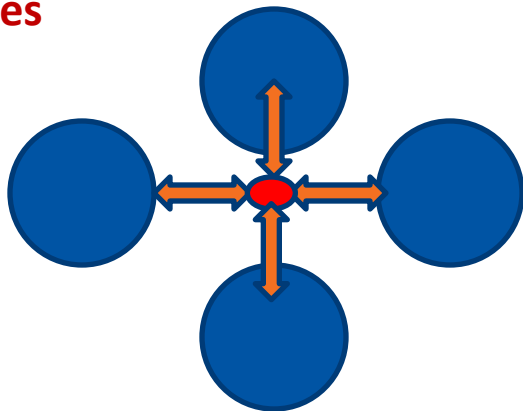**PROBLEM in current Air Navigation Information Systems ?**

Information is:
- Duplicated
- Source Not enough validated
- Tracking
- Inconsistently updated
- Lack of integrity

System Wide Information Management SWIM
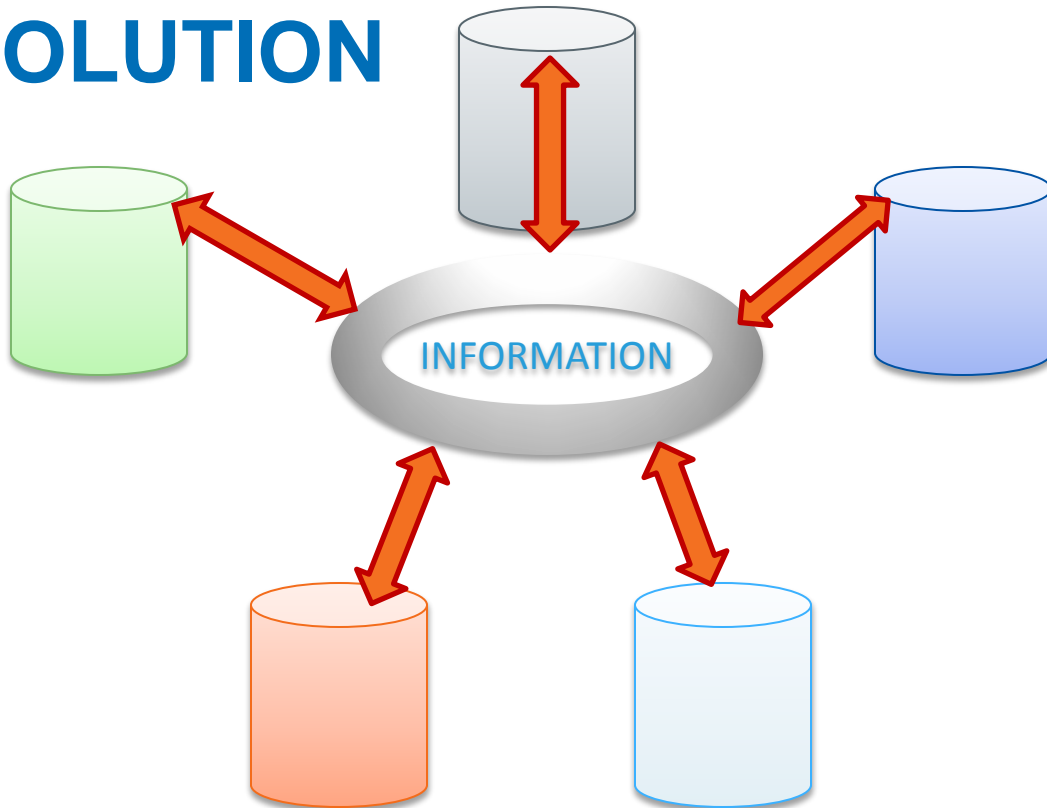
Message Exchanges

Now:
- Message exchange tailored locally
- Relevant information flow between 2 ASPs is not visible to interested 3rd
- Does not facilitate collaboration
- Change affects many interfaces

Future:
- Message exchanges propagate system-wide
- Collaboration-friendly
- Consistent information visible to all interested and authorized parties
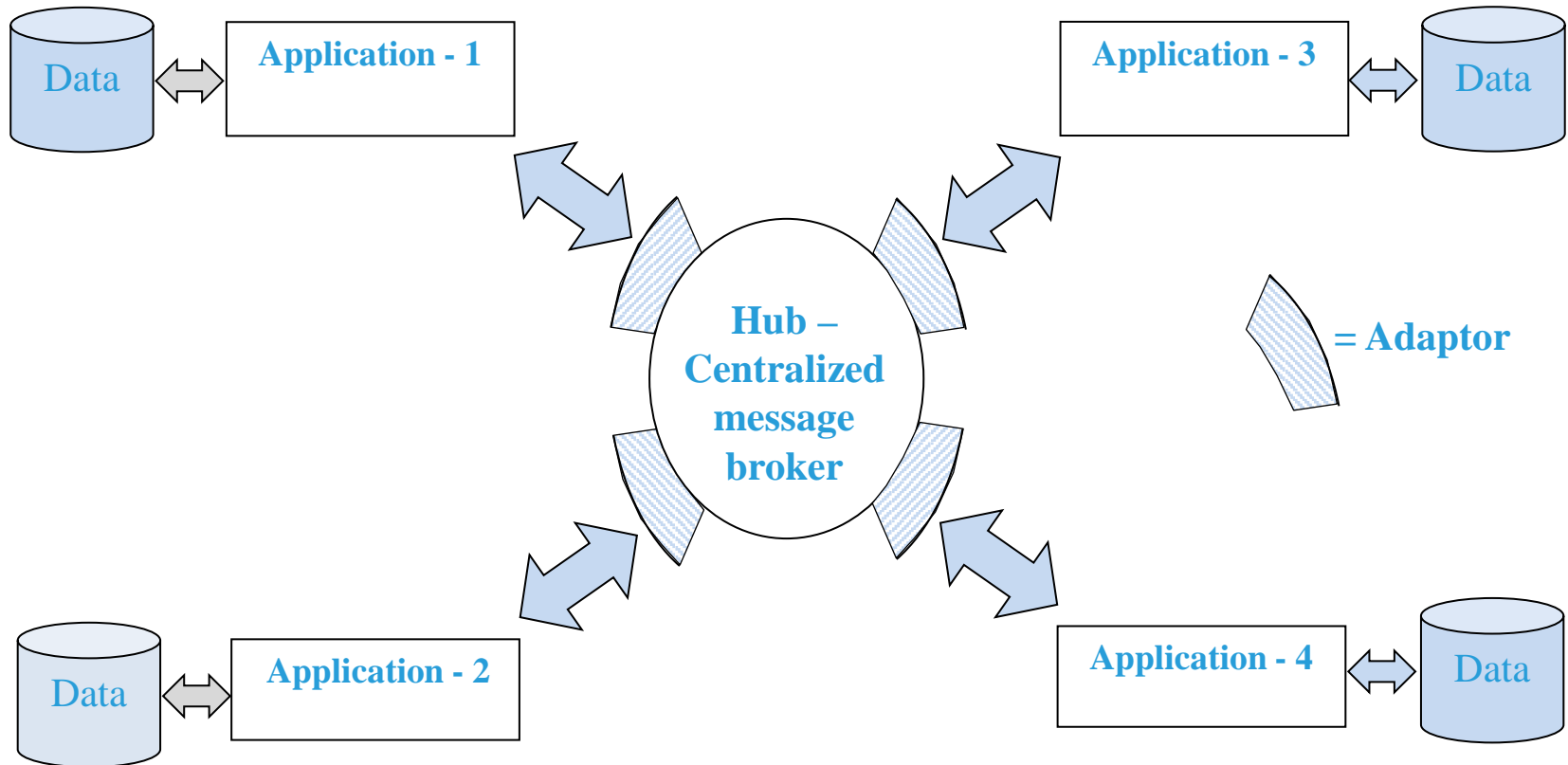- Change affects fewer interfaces
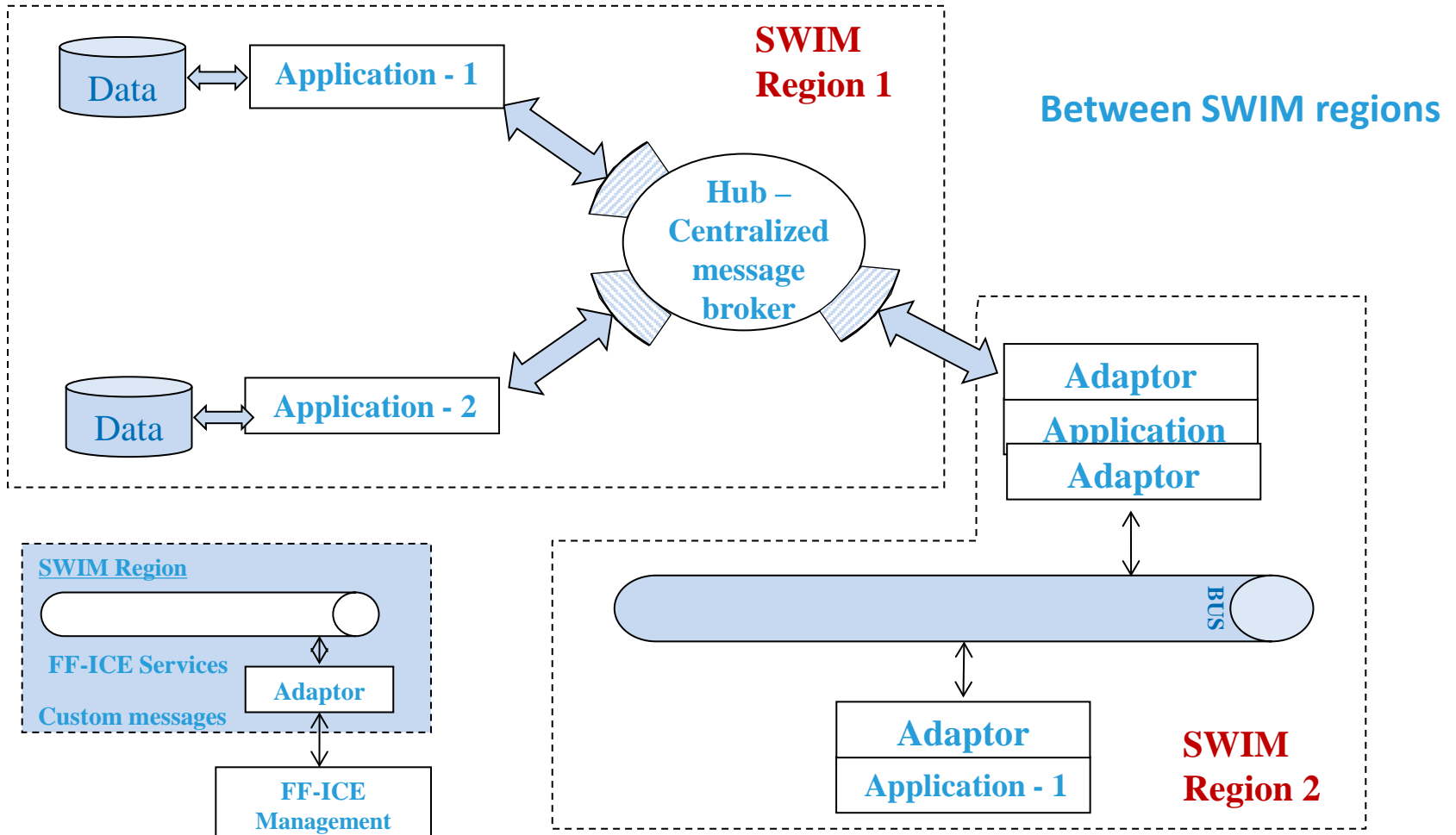
The possible solution

SOLUTION

INFORMATION

Databases Management

SWIM
Basic Topology

Data	Application - 1

Application - 3	Data

Hub – Centralized message broker

= Adaptor

Data	Application - 2

Application - 4	Data

SWIM
Basic Topology (Cont…)

PROGRAMS

Also exist in:

Australia

Republic of Korea…

Definition

SWIM	=	INFORMATION	SERVICES
		TECHNICAL INFRASTRUCTURE	

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